

Title (en)

Device and method for delay optimization of end-to-end data packet transmissions in wireless networks

Title (de)

Vorrichtung und Verfahren zur Verzögerungsoptimierung von End-to-End-Datenpaketübertragungen in drahtlosen Netzwerken

Title (fr)

Dispositif et procédé pour optimiser le délai de la transmission de paquet de données de bout en bout dans des réseaux sans fil

Publication

EP 2437440 A1 20120404 (EN)

Application

EP 10185952 A 20101001

Priority

EP 10185952 A 20101001

Abstract (en)

For reducing and homogenizing an end-to-end delay of data packet transmissions in a large-scale wireless mesh network, a device, a system and a method are provided for controlling data packet transmission in the wireless network, wherein transmission parameters of an intermediate node are adjusted based on a distance between the intermediate node and a sender node.

IPC 8 full level

H04L 1/18 (2006.01); **H04L 12/56** (2006.01); **H04L 29/08** (2006.01); **H04L 45/122** (2022.01); **H04W 84/18** (2009.01)

CPC (source: EP US)

H04L 1/188 (2013.01 - EP US); **H04L 1/1887** (2013.01 - EP US); **H04L 47/10** (2013.01 - US); **H04L 47/28** (2013.01 - EP US); **H04L 67/04** (2013.01 - EP US); **H04L 67/125** (2013.01 - EP US); **H04W 8/04** (2013.01 - US); **H04W 28/021** (2013.01 - EP); **H04W 28/0226** (2013.01 - EP US); **H04W 40/20** (2013.01 - US); **H04L 2001/0097** (2013.01 - EP US)

Citation (applicant)

WO 2009071692 A1 20090611 - THOMSON LICENSING [FR], et al

Citation (search report)

- [X] EP 1300990 B1 20070808 - SIEMENS AG [DE]
- [I] KR 20090056070 A 20090603 - IND ACADEMIC COOP [KR]
- [I] US 6721537 B1 20040413 - BRIESEMEISTER LINDA [DE]
- [I] EP 1940089 A1 20080702 - NEC CORP [JP]
- [I] EP 1764964 A2 20070321 - PALO ALTO RES CT INC [US]
- [A] KR 100832519 B1 20080526 - SDSYSTEM CO LTD [KR]

Cited by

CN105263121A; CN104813639A; CN108241139A; EP3038426A1; FR3030991A1; CN111279644A; JP2021500798A; EP4102753A1; WO2014053152A1; US11153803B2; US9461926B2; WO2019081037A1; EP3709546B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2437440 A1 20120404; CN 103119898 A 20130522; CN 103119898 B 20160413; EP 2622800 A1 20130807; EP 2622800 B1 20170823; EP 2622800 B2 20200318; JP 2013543692 A 20131205; JP 6118252 B2 20170419; PL 2622800 T3 20180131; PL 2622800 T5 20200727; TW 201218696 A 20120501; US 2013188562 A1 20130725; US 9119142 B2 20150825; WO 2012042411 A1 20120405

DOCDB simple family (application)

EP 10185952 A 20101001; CN 201180046862 A 20110909; EP 11764326 A 20110909; IB 2011053940 W 20110909; JP 2013530824 A 20110909; PL 11764326 T 20110909; TW 100135098 A 20110928; US 201113876183 A 20110909